

Application No. 09/382,433

31. (Original) The method of claim 24 wherein the sensor is selected from the group consisting of a strain sensor and a position sensor.

32-49. (Canceled)

50. (Currently Amended) An ambulatory orthosis system comprising:

a display,

a support portion that fits around a joint and is carried by the patient during activities and a sensor on the support portion, and

a portable controller comprising a digital microprocessor, the controller being operably connected to the sensor, wherein the controller controls the display based on signals from the sensor, and

wherein the patient, flexing the joint, causes a cursor movement on the display, in which the motion of the cursor is correlated with motion ~~or strain~~ of the joint as detected by the sensor in the support portion when the support portion is associated with the joint of the patient.

51. (Canceled)

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52. (Previously Presented) The ambulatory orthosis system of claim ~~51~~ wherein the display is integral with the portable controller.

53. (Previously Presented) The ambulatory orthosis system of claim 50 wherein the display is part of a television.